

a jam wheel, wherein the jam wheel is operably coupled to the collet; and

a damaged fastener, wherein at least a portion of the damaged fastener fits within at least a first end of the collet tube.

12. The apparatus of claim 11, wherein at least a portion of the collet is tapered, with the larger end having at least one slot.

13. The apparatus of claim 12, wherein operation of the jam wheel causes the collet to engage the jam tube.

14. The apparatus of claim 13, wherein the at least a portion of the damaged fastener fits within the slotted end of the collet.

15. The apparatus of claim 14, wherein engaging of the collet and the jam tube causes the collet to contract around the at least a portion of the damaged fastener.

16. The apparatus of claim 11, wherein rotation of the hand wheel causes the apparatus to rotate.

17. The apparatus of claim 11, further comprising a drill bit, wherein the drill bit is selected to fit inside the collet tube.

18. The apparatus of claim 17, wherein a drill stop is connected to the drill bit, thereby limiting the drill bit travel within the apparatus.

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